IN THE CLAIMS:

Please amend the claims as follows:

1. (Original) Process for producing a metal foam body, whereby a gas-containing fused metal is produced and the fused metal is allowed to coagulate under formation of a metal foam body,
in which
the introduced material is melted under atmospheric pressure and thereby and/or subsequently gas is introduced into the fluid metal, whereupon the fluid metal is brought into a mould and allowed to coagulate at least for sometime under reduced surrounding pressure.

2. (Original) Process as per claim 1,
in which
at least parts of the introduced material are converted into at least one compound before melting, which emits a gas soluble in the fluid metal in the region of and/or over the melting interval of the same.

3. (Original) Process as per claim 2,
in which
the conversion of parts of the introduced material takes place through contact with the gas or gas mixture.

4. (Original) Process as per claim 2,
in which
the conversion of parts of the introduced material takes place through contact with aerosol.

5. (Currently Amended) Process as per ~~one of the~~ claim[[s]] 2, ~~to 4,~~
in which
the compound emits gas(es) at a temperature of max. 250°C, preferably

max. 150°C, above the melting or coagulating temperature of the metal.

6. (Currently Amended) Process as per ~~one of the~~ claim[[s]] 1, ~~to 5,~~
in which
the introduced material is formed from a light metal, especially magnesium or a
magnesium alloy.

7. (Currently Amended) Process as per ~~one of the~~ claim[[s]] 1, ~~to 6.~~
in which
the coagulation of the fluid metal takes place under a surrounding pressure in the range
of 0.03 bar to 0.2 bar.

8. (Currently Amended) Process as per ~~one of the~~ claim[[s]] 1, ~~to 7.~~
in which
the mould is pre-heated before introducing the fluid metal.

9. (Currently Amended) Process as per ~~one of the~~ claim[[s]] 1, ~~to 8.~~
in which
a heat-insulated mould is used.

10. (Currently Amended) Use of die-cast scrap as introduced material in a process as per ~~one of the~~ claim[[s]] 1, ~~to 9.~~

11. (New) Process as per claim 4,
in which
the compound emits gas(es) at a temperature of max. 250°C, preferably max. 150°C, above the melting or coagulating temperature of the metal.

12. (New) Process as per claim 11,

in which

the introduced material is formed from a light metal, especially magnesium or a magnesium alloy.

13. (New) Process as per claim 12,

in which

the coagulation of the fluid metal takes place under a surrounding pressure in the range of 0.03 bar to 0.2 bar.

14. (New) Process as per claim 13,

in which

the mould is pre-heated before introducing the fluid metal.

15. (New) Process as per claim 14,

in which

a heat-insulated mould is used.

16. (New) Use of die-cast scrap as introduced material in a process as per claims 15.